

Project Name; Siding Improvements Nature Center
Project Location. Meeman Shelby Forrest State Park
910 Riddick Road
Millington Tennessee 38053

Specifications.

General.

The contractor shall provide and install all materials to complete the exterior renovation of the nature center. The contractor will be responsible for all materials, labor, and equipment required to install siding on Meeman Shelby State Park Nature Center. All work is to be done in accordance with the latest IBC codes. Any deviations from the scope of work will be executed only after written approval is received. The contractor will be responsible for safety and security of the site during this project. Contractor will use caution tape and barriers where necessary. The contractor will be responsible for notifying park staff at the end of each day before leaving, as to ensure the site is secure. The contractor is responsible for disposal of all waste off state property. **The contractor is to visit site to obtain accurate measurements. This project must be completed prior to June 15, 2022.**

*Demo.

- 1.The contractor shall demo the raised concrete in front of the building.
- 2.The contractor shall demo the entire sidewalk from the front of the building to the parking lot.
- 3.The contractor shall demo all T1-11 siding on the building in preparation for new siding. The demolition will include all materials that does not support the exterior renovation.

*Scope.

- 1.The contractor will supply $\frac{3}{4}$ or $\frac{7}{8}$ decking grade plywood as a substrate in preparation for new siding. The contractor shall also cover all plywood with a moisture barrier per specs.
2. The contractor shall examine wall studs for decay and termite damage. Any damage and repairs needed are part of this scope and allowances shall be made by the contractor for those repairs.
- 3.Framing shall be provided by the contractor to move the bathroom door to the far right of the entrance door. It shall be moved 6 feet to create a new entree into that bathroom.
4. The contractor shall frame the original opening and also remove a interior bathroom door provide framing in preparation for sheet rock.

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5.The contractor shall provide and install R-19 insulation in the exterior wall where the door was originally. There shall be sheet rock over on the interior of that opening and sheet rock covering the interior opening inside the bathroom and the opposing side.

6.The interior of this bathroom shall be painted color to be chosen by park management.

7.The contractor shall provide and install board and baton siding over the exterior of the building. This includes the 18-inch knee wall on the roof line. The siding will be painted park brown in color. WTRO will supply paint color code.

8.The contractor shall provide and install a manhole and cover in the sidewalk to be placed on the water cut off valve on said walk.

9.The contractor shall repour the sidewalk starting at the point of pavement at the right of the building and running continues to 18 inches to the left of the store front entry door. At that point the concrete shall taper to match the patio level. This sidewalk will be of 3000-pound mix at 28 days in strength and there shall be re-enforcement rod (number 3) or weld wire enforced. The manhole cover shall be flush with the concrete.

10.The contractor shall install a new concrete sidewalk from the parking lot to the new one at building front. Construction method shall be the same. In addition, this sidewalk will have a box drain formed and poured at a marked location for drainage. This box drain will be 14 inches wide by 14 inches deep. There shall be 1/2 wide by 3/8 deep bed for the cover poured in place. The cover will be 3/8 diamond plate one-piece full width and when set in place will be flush with the concrete.

11.The contractor shall grade the yard to the center for drainage. The yard will be strawed and reseeded.

12. The contractor shall provide and install wall sconce lighting starting at the patio with one, one on either side of the store front door and the remainder spaced at 10-foot intervals for a total of 10. This product offered will be LED 120-volt operation. Output lumens minimum 700, 20 watt or less. Park management will pick style. The existing lights will be saved and surrendered to the park maintenance stall.

Materials:

Approval by Facilities Management required for all materials before installation.

House wrap:

Non-woven with 10-year warranty

Acceptable brands

Dupont, Kingspan (or equal)

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Siding:

Type	Fiber Cement board and batten with woodgrain
	with 30-year warranty
Acceptable brands	James Hardie Cedarmill, Allura (or equal)
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Corner trim:

Type	Fiber Cement with woodgrain with 30-year warranty
Outside corner	5/4 X 3.5 Inch
Inside corner	5/4 X 3.5 inch
Acceptable brands	James Hardie, Allura (or equal)

Window and door trim:

Type	Fiber cement with woodgrain with 30-year warranty
Size	5/4 X 3.5 inch
Acceptable brands	James Hardie, Allura (or equal)

Caulking:

Type	Elastomeric Joint Sealant complying with ASTM C920 Grade NS, class 25 or higher Or Latex Joint Sealant complying with ASTM C834
Acceptable brands	DAP, Titebond (or equal)

Finish:

Exterior Paint	Exterior Acrylic Latex with Lifetime Limited Warranty
Acceptable brands	Sherwin-Williams, PPG (or equal)

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PAINT SPECIFICATIONS:

I. SURFACE PREPARATION

- A. All surfaces to be painted shall be clean, cured, dry and free of rust, mill-scale, oil, grease, dirt, salts, wax, efflorescence, mildew, surface deposits or loose or scaling paint.
- B. All gaps must be filled with approved caulk.
- C. Glossy surfaces of old paint must be dulled.
- D. Prepared surface must be protected by use of specified and approved primer.
- E. Surface must be inspected by park Facilities Management representative prior to coating application, however, prepared non-protected metal substrates must be immediately primed.

II. COATING APPLICATION

- A. Coating may be applied by brush, applicator pad, roller, convention or airless spray in a minimum of two coats or as otherwise specified.
- B. Specific dry film thickness recommended by manufacturer must be achieved.
- C. Even coats, of complete coverage, which are free from sags, drips, streaks and bubbles must be obtained.
- D. Mixed coatings must be stirred thoroughly before and occasionally during use. Do not thin.
- E. Working conditions must be within manufacturer's recommendations.
- F. Owner will inspect prior to each subsequent coat.
- G. All label instructions must be followed.
- H. It shall be the responsibility of the contractor to insure a safe work environment for workers.
- I. Contractor will conduct activities within park operational guidelines to limit disruption to park patrons or staff.

III. WARRANTY PERIOD

- A. Materials and workmanship shall be warranted against streaking, fading, cracking, peeling or otherwise failing for a period of one (1) year following the date of final inspection of the work.

JOB SPECIFICATIONS:

Color	To be chosen by Park Manager
Gloss % exterior	to be chosen by Park Manager
Tint base	Manufacturer's recommendation

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Primer Vehicle/binder type	Latex
Finish coat Vehicle/binder type	Latex
Minimum coverage @ one mil DFT	400 to 500 sq. ft/gal
Application method	Sprayed, rolled or brushed
Acceptable surface preparation methods	Scrape/ sand

SUBMITTALS:

Prior to beginning any work, the contractor/vendor must submit the following for approval:

- Paint chip
- Primed/painted/cured substrate
- Paint/primer manufacturer's technical data sheet and MSDS sheet
- Wood filler, caulk and/or putty technical data sheet

Protection:

All bidders are advised to visit site to verify all conditions and dimensions. No allowances will be made by the agency due to any bidder neglecting to visit the site and verifying dimensions and conditions.

Contractor will perform work on regular time and will invoice work time and material not to exceed the quoted price. Any variance in quote will be addressed with a representative of Facilities Management, West TN Regional Office (WTRO) before additional work or materials are supplied.

Work shall be scheduled to avoid any interference with normal operation of the park as much as possible. During the construction period, coordinate construction schedules and operations with the agency. **Work must be conducted during the normal business hours of Monday through Friday, 8:00 a.m. to 4:30 p.m., unless approval for an alternate schedule is arranged with Facilities Management.**

Successful contractor to schedule and attend a pre-construction conference where a pre-construction form will be signed by Facilities Management, Contractor and Park Manager or park representative before work can begin. Contractor must also schedule and attend a final inspection where a final inspection form will be signed by Facilities Management, Contractor and Park Manager or park representative before invoice will be paid.

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Project will begin within 15 days of Purchase Order issuance and be complete by May 1, 2021, unless Facilities Management has approved other agreement.

The contractor will protect areas adjacent to his work and will be required to repair any damage he may cause. Contractor will protect work of other trades. Contractor will correct any painting related damage by cleaning, repairing or replacing, and refinishing as directed by Facilities Management.

Workmanship is to be warranted for not less than one year from date of final inspection. Materials will be warranted as per manufacturer's warranty.

All materials, equipment, and supplies are to be new and in good condition, UL listed when applicable, and all work accomplished in a manner acceptable to Facilities Management.

Submittals shall be required on all materials and must be presented for approval by the State of Tennessee representative.

Clean up of the project site shall be the responsibility of the contractor. Contractor to assure that job site is clean of nails, debris, etc., at end of each day to ensure safety. Contractor will clean up and haul away all scrap when work is completed to an approved location off state property.

Contractor, employees, or sub-contractors shall be licensed, certified, or registered as required. They must be registered in the State of Tennessee Edison purchasing system.

The contractor shall have a Certificate of Insurance on file with Facilities Management. Contractor will have insurance as will protect the contractor from claims which may arise out of or result from the contractor's operations under the contract and for which the contractor may be held legally liable, whether such operations be by the contractor or by sub-contractor or by anyone directly or indirectly employed by any of them, or anyone associated with them for whose acts they may be liable. Sub-contractors must also be registered in the State of Tennessee Edison purchasing system, be listed on the bid application and must show proof of insurance and have workers compensation. Insurance requirements are listed below.

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The State of Tennessee shall not be held liable for any damage, loss of property, or injury of personnel resulting from actions of the contractor and/or his/her sub-contractors or employees.

Contractor shall obtain all fees and permits required for project. Contractor shall have a copy of project specifications, always permits and certificate of insurance on project site

Contractor shall comply with all applicable codes, standards, and regulations in execution of project. All work must conform to the International Building Code 2008.

Invoice shall be submitted for payment within 10 days of project completion. A copy of the invoice shall be submitted to West Tennessee Regional Office via mail, fax or e-mail (address: 21540 Natchez Trace Road, Wildersville, TN 38388, fax:731-968-5668;or e-mail: susan.blankenship@tn.gov).

Authorized Contacts: Steve O'Dell, Office 731-968-6608, Cell 731-307-9716, steve.odell@tn.gov or Rob Marcum 731-412-7067or Robert.marcum@tn.gov

Note: Before the Contract resulting from this ITB is signed, the apparent successful proposer must be registered with the Department of Revenue for the collection of Tennessee sales and use tax. The State shall not approve a contract unless the proposer provides proof of such registration. The foregoing is a mandatory requirement of an award of a contract pursuant to this solicitation.